

PRE-SFP10G-1310-40(I)

SFP+, ER, 1310nm, 10G, 40km, SMF/LC, DDM



Product Features:

- DFB Transmitter
- PIN Receiver
- SMF Transmission Medium
- LC/UPC Connector
- Digital Diagnostics Monitoring (DDM)
- C-Temp and I-Temp Available
- 11.1Gbps Maximum Data Rate
- <1.2W Power Consumption



Product Applications:

- Enterprise Networks
- 10GBASE-ER/EW
- WAN and Metro Networks

Standards:

- SFF-8472/8431
- RoHS

General Specifications

Parameter	Min	Typical	Max	Unit
Case Operating Temperature (Commercial)	0	-	70	°C
Case Operating Temperature (Industrial)	-40	-	85	°C
Power Consumption	-	-	1.2	W
Power Supply Current	-	-	360	mA
Power Supply Voltage	3.14	3.3	3.46	V
Storage Humidity	5	-	95	%
Storage Temperature	-40	-	85	°C
Transmission Distance	-	-	40	km
Data Rate (Total)	-	10.3125	11.1	Gbps

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Optical Characteristics: Transmitter

Parameter	Min	Typical	Max	Unit
Center Wavelength	1260	1310	1355	nm
Transmit Power	-1	-	4	dBm
Spectral Width	-	-	1	nm
Transmitter and Dispersion Penalty	-	-	3	dB
Extinction Ratio	3.5	-	-	dB

Optical Characteristics: Receiver

Parameter	Min	Typical	Max	Unit
Receiver Wavelength	1270	-	1610	nm
Saturation Power (Overload)	0.5	-	-	dBm
Receiver Sensitivity ¹	-	-	-15	dBm
LOS Assert	-30	-	-	dBm
LOS De-Assert	-	-	-17	dBm
LOS Hysteresis	0.5	1	-	dB

Note 1: Measured with a PRBS 2³¹-1 test pattern, @10.3125Gb/s, BER<10⁻¹²

Product Ordering Information

Part Number	Description
PRE-SFP10G-1310-40	SFP+, ER, 1310nm, 10G, 40km, SMF/LC, DDM, C-Temp
PRE-SFP10G-1310-40I	SFP+, ER, 1310nm, 10G, 40km, SMF/LC, DDM, I-Temp